

Tune up procedure

The output power setting of EUT is set in the factory and followed the max peak level in below. There is no tune up procedure except factory default setting.

Channel	Mode	WCDMA Band II	WCDMA Band IV	WCDMA Band V
		Tune up	Tune up	Tune up
WCDMA	12.2kbps RMC	22.00±1	22.50±1	23.00±1
HSDPA	Subtest1	19.00±1	19.00±1	19.00±1
	Subtest2	19.00±1	19.00±1	19.00±1
	Subtest3	19.00±1	19.00±1	19.00±1
	Subtest4	19.00±1	19.00±1	19.00±1
HSUPA	Subtest1	19.00±1	19.00±1	19.00±1
	Subtest2	19.00±1	19.00±1	19.00±1
	Subtest3	19.00±1	19.00±1	19.00±1
	Subtest4	18.00±1	19.00±1	19.00±1
	Subtest5	18.00±1	19.00±1	18.00±1

LTE Band 2	Tune-up Power	
	QPSK	16QAM
Bandwidth: 1.4MHz	21±2dBm	20±2dBm
Bandwidth: 3MHz	21±2dBm	20±2dBm
Bandwidth: 5MHz	21±2dBm	20±2dBm
Bandwidth: 10MHz	21±2dBm	20±2dBm
Bandwidth: 15MHz	21±2dBm	19.5±2dBm
Bandwidth: 20MHz	21±2dBm	20±2dBm

LTE Band 4	Tune-up Power	
	QPSK	16QAM
Bandwidth: 1.4MHz	21±2dBm	20.5±2dBm
Bandwidth: 3MHz	21±2dBm	20.5±2dBm
Bandwidth: 5MHz	21±2dBm	20.5±2dBm
Bandwidth: 10MHz	21±2dBm	20.5±2dBm
Bandwidth: 15MHz	21±2dBm	20±2dBm
Bandwidth: 20MHz	21±2dBm	20±2dBm

LTE Band 5	Tune-up Power	
	QPSK	16QAM
Bandwidth: 1.4MHz	$21.5 \pm 2\text{dBm}$	$20.5 \pm 2\text{dBm}$
Bandwidth: 3MHz	$21.5 \pm 2\text{dBm}$	$20.5 \pm 2\text{dBm}$
Bandwidth: 5MHz	$21.5 \pm 2\text{dBm}$	$20.5 \pm 2\text{dBm}$
Bandwidth: 10MHz	$21.5 \pm 2\text{dBm}$	$20.5 \pm 2\text{dBm}$

LTE Band 7	Tune-up Power	
	QPSK	16QAM
Bandwidth: 5MHz	$20 \pm 2\text{dBm}$	$20 \pm 2\text{dBm}$
Bandwidth: 10MHz	$20 \pm 2\text{dBm}$	$19.5 \pm 2\text{dBm}$
Bandwidth: 15MHz	$20 \pm 2\text{dBm}$	$19 \pm 2\text{dBm}$
Bandwidth: 20MHz	$20 \pm 2\text{dBm}$	$19 \pm 2\text{dBm}$

LTE Band 12	Tune-up Power	
	QPSK	16QAM
Bandwidth: 1.4MHz	$21 \pm 2\text{dBm}$	$20 \pm 2\text{dBm}$
Bandwidth: 3MHz	$21 \pm 2\text{dBm}$	$20 \pm 2\text{dBm}$
Bandwidth: 5MHz	$21 \pm 2\text{dBm}$	$20 \pm 2\text{dBm}$
Bandwidth: 10MHz	$21 \pm 2\text{dBm}$	$20 \pm 2\text{dBm}$

LTE Band 13	Tune-up Power	
	QPSK	16QAM
Bandwidth: 5MHz	$21 \pm 2\text{dBm}$	$20 \pm 2\text{dBm}$
Bandwidth: 10MHz	$21 \pm 2\text{dBm}$	$20 \pm 2\text{dBm}$

LTE Band 14	Tune-up Power	
	QPSK	16QAM
Bandwidth: 5MHz	$21.5 \pm 2\text{dBm}$	$20 \pm 2\text{dBm}$
Bandwidth: 10MHz	$21.5 \pm 2\text{dBm}$	$20.5 \pm 2\text{dBm}$

LTE Band 17	Tune-up Power	
	QPSK	16QAM
Bandwidth: 5MHz	$21 \pm 2\text{dBm}$	$20 \pm 2\text{dBm}$
Bandwidth: 10MHz	$21 \pm 2\text{dBm}$	$20 \pm 2\text{dBm}$

LTE Band 25	Tune-up Power	
	QPSK	16QAM
Bandwidth: 1.4MHz	$21 \pm 2\text{dBm}$	$20 \pm 2\text{dBm}$
Bandwidth: 3MHz	$21 \pm 2\text{dBm}$	$20 \pm 2\text{dBm}$
Bandwidth: 5MHz	$21 \pm 2\text{dBm}$	$20 \pm 2\text{dBm}$
Bandwidth: 10MHz	$21 \pm 2\text{dBm}$	$20 \pm 2\text{dBm}$
Bandwidth: 15MHz	$21 \pm 2\text{dBm}$	$20 \pm 2\text{dBm}$
Bandwidth: 20MHz	$21 \pm 2\text{dBm}$	$20 \pm 2\text{dBm}$

LTE Band 26(814MHz-824MHz)	Tune-up Power	
	QPSK	16QAM
Bandwidth: 1.4MHz	$21.5 \pm 2\text{dBm}$	$20.5 \pm 2\text{dBm}$
Bandwidth: 3MHz	$21.5 \pm 2\text{dBm}$	$20.5 \pm 2\text{dBm}$
Bandwidth: 5MHz	$21.5 \pm 2\text{dBm}$	$20.5 \pm 2\text{dBm}$
Bandwidth: 10MHz	$21.5 \pm 2\text{dBm}$	$20.5 \pm 2\text{dBm}$

LTE Band 26(824MHz-849MHz)	Tune-up Power	
	QPSK	16QAM
Bandwidth: 1.4MHz	$21.5 \pm 2\text{dBm}$	$20.5 \pm 2\text{dBm}$
Bandwidth: 3MHz	$21.5 \pm 2\text{dBm}$	$20.5 \pm 2\text{dBm}$
Bandwidth: 5MHz	$21.5 \pm 2\text{dBm}$	$20.5 \pm 2\text{dBm}$
Bandwidth: 10MHz	$21.5 \pm 2\text{dBm}$	$20.5 \pm 2\text{dBm}$

LTE Band 26(814MHz-849MHz)	Tune-up Power	
	QPSK	16QAM
Bandwidth: 15MHz	$21.5 \pm 2\text{dBm}$	$20.5 \pm 2\text{dBm}$

LTE Band 41	Tune-up Power	
	QPSK	16QAM
Bandwidth: 5MHz	$20 \pm 2\text{dBm}$	$19.5 \pm 2\text{dBm}$
Bandwidth: 10MHz	$20 \pm 2\text{dBm}$	$19.5 \pm 2\text{dBm}$
Bandwidth: 15MHz	$20 \pm 2\text{dBm}$	$19.5 \pm 2\text{dBm}$
Bandwidth: 20MHz	$20 \pm 2\text{dBm}$	$19.5 \pm 2\text{dBm}$

Mode	/
	Tune up
802.11b	11±1dBm
802.11g	9.5±1dBm
802.11n HT20	9.5±1dBm
802.11n HT40	9.5±1dBm
BT/GFSK	7±1.5dBm
BT/π/4DQPSK	4±1dBm
BT/8DPSK	4±1dBm
BT/BLE	0±1dBm

Mode	802.11a	802.11n HT20	802.11n HT40	802.11ac HT20	802.11ac HT40	802.11ac HT80
	Tune up	Tune up	Tune up	Tune up	Tune up	Tune up
U-NII-1	9.5±1dBm	9±1dBm	9±1dBm	8.5±1dBm	9±1dBm	9±1dBm
U-NII-2A	8.5±1dBm	7±1dBm	8±1dBm	7±1dBm	8±1dBm	8.5±1dBm
U-NII-2C	8±1dBm	6.5±1dBm	7±1dBm	7±1dBm	7±1dBm	8±1dBm
U-NII-3	5±1dBm	4±1dBm	6.5±1dBm	4±1dBm	5.5±1dBm	5±1dBm

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